

## **Fifth Grade Field Investigation with Backpacks**

**Bandelier Focus:** To expose students to the plants and animals living in Bandelier

**Subject:** Science, Math, Language Arts

**Grade level:** Fifth Grade

**NM Standards:**

**Lesson Overview:** Field Investigation

**Lesson Objectives:** the study of science and math through planning and implementing field investigations using scientific methods, analyzing information, making informed decisions and using tools such as cameras, binoculars, tape measures, thermometers and a compass to collect and record information.

**Materials:** Backpack provided by Bandelier National Monument with the following:

- New Mexico Wildlife
- A Checklist of Mammal, Amphibians and Reptiles
- National Audubon Field Guide to the Southwestern States
- A compass
- A digital camera
- A tape measure
- A pair of binoculars
- A thermometer

**Links:**

**Books:**

**Where at the monument are you likely to see this?**

**Procedures:**

- Schedule a field trip time with Bandelier
- Pick up the teacher guide
- Do the pre-visit assignments
- Bring the students to the park
- Let the students do the investigation
- Students record their observations
- Debrief either at the park or back at school
- Complete a reflection about the experience

Picture of backpack and the items included:



NPS photo by Stella Carroll